

4000 B<sup>c</sup>

use of sail in Egypt

4000 BC

Some of the earliest WHEELS found  
were used in Sumerian  
war chariots

4000BC

Intensified procurement of high quality flint from mines (western and northern Europe)

Jade imported from 3000 kilometres away, used for ornaments and weapons in China

4070 BC

For looks, Bulgaria is El Dorado, a vast store of buried treasure where graves have harbored gold since at least 4070 BC (from ancient Thracians)

Thracians, Macedonians, Greeks, Romans, Persians, Slavs, Bulgars, Byzantines, and Turks all made their mark.

4000 BC

Earliest gold objects buried  
in Bulgaria by Ancient Thracians  
Their history has been lost

They fought in Trojan War  
against the Greeks

4000BC

First pottery in Americas from  
the Amazon Basin (Peru);  
a little later in Colombia and  
on the Ecuador Coast

4000BC

Indo-European language  
probably began in  
the Southern Steppes  
of Russia around  
4000 B.C. and then  
spread westward  
to most of Europe  
and eastward to Iran  
and India

4000 BC

Mesopotamia

Farmers build irrigation  
ditches to control river  
floods

4000 BC → 3000 BC

From 4000 BC → 3000 BC the Sahara was rich grassland

Tribes painted their cattle grazing.

Still later paintings showed war chariots, Nile boats, cornucopia and bearded warriors with shields and spears  
The last tribes left about 3000

yo are and the Area is now  
definite

© 4000 BCE

Babylonian astronomy began

c 4000 BC

Egyptians began to keep records  
of important events.  
Ancient history lasts from  
4000 BC to c 500 A.D.

4070 BC

About the yr 4070 BC, 5 supplementary days were added to the Egyptian Cal. at the end of each yr.

This Cal. was still used by Copernicus in the 16th Century A.D.

It was a scale of unvarying length (no intercalations)  
the Sothic period is  $(4 \times 365.25) = 1461$  yrs

C 4000 BC

Ancient Egyptians, Greeks, and Romans had 24-hr day, but they divided it into 10 hours of light, 10 hours of dark, and 1 hr ea. of dawn & dusk (the twilight hours) which meant that the lengths of the hours depended on the seasons and whether day or night.

1 mean after hour = 24 mean after hour  
(one)

1 ore after hour = 60 ore after hour.

1 ore after min = 60 ore after ore.

1 mean after day = 86,400 ore after ore.

4000 BC

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Cheese was being made  
grapes, oranges and watermelon  
were raised

C 4000 BC.

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The Egyptians amended their Cal (See 8000 BC), added 5 days to their 360 day cal.

This Cal. still lost a day every four years, but it was an improvement.

4000 BC

China

The weaving of hemp began  
in 4000 BC  $\pm$ .

4000 BC

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Begin the Iron Age

In some Iron Age began c. 1000 BC

4000 B.C.

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Self-propelled boats used  
in Egypt.

4000 BC  $\rightarrow$  1250 BC

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CHALDEANS were a mixed race  
of Sumerians and Semites

Sumerians settled before 4000 BC  
and Semites arrived about  
4000 BC

The founder was NIMROD  
but early history is obscure.  
Chief cities were UR, ACCAD, ERECH &

CAL MEH

4000BC

Humans domesticated & rode horses about 4000 BC.

There are historical depictions (2000 BC) showing horses used by military cavalry.

Batkar a site in the Soviet Ukraine yielded a horse lower jaw distinctly showing premolar teeth (under scanning microscope).

tiny fracture appears showing they had  
used a rope too.

Promoters such as this do  
not appear in lines that

rise more sudden (with a  
bit in the mouth)

4000 BC

Sumerian language origin

4000BC

Among the earliest known  
people in China, the YANG-SHAO  
domesticated dogs, pigs, and  
perhaps cattle & horses

4000 BC

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Self-propelled boats used in  
Egypt!

c 4000BC

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Olive & oil production began  
in Syria, Turkey (near Aegean Sea)  
Lebanon, Israel

45TU Bc

Transition from Neolithic  
to Bronze Age or Copper Bronze age  
began in Near East

C 4000 BC

Early Egypt comprised two kingdoms: Lower Egypt centered in the Nile Delta with its Capital at BU TO, and Upper Egypt extending to the First Cataract with its Capital at HIERAKONPOLIS.

Archaeology reveals cultivation of wheat, weaving, and pottery making; metalworking appeared late. Stone goods in early

Time indicates social stratification -

4000 BC

Mesopotamia

Not long after 4000 BC, an expansion took place into riverine southern Mesopotamia; the villages grew into temple-towns with markets

4000BC

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The transition from hunting  
& gathering in Britain to  
agriculture (NEOLITHIC period)  
began in 4000BC  $\pm$

C4000 BC

Duncan: Cal

Nilometers and Early Cal's  
in Egypt

C 4 000 BC

Duncan: Cal

DunCal 1998

Almost 6,000 yrs ago, when the people living along the Nile figured out the solar year was very close to 365 days. This led to a calendar of 12 months of 30 days each and an additional 5 days that Egyptian mythology says were added to the year by the God Thoth. These became the birthdays

of OSIRIS, ISIS, HORUS, NEPHTHS, and SET

4000 BC

Mar/Apr 1996

PG 44 Civilization 3/4 '96

Cavalli-Sforza believes a second genetic invasion of Europe around 4000 BC - this time from steppes of Central Asia. He says gene pool spreads out from the area north of the Black Sea like ripples in a pond.

He connects this with domesticated horse; bronze weapons; and the

Indo-European languages that  
would become the base for  
all major European tongues.

4000BC

1912 Dates J-BK

Some parts of "Book of Dead" were written, though the greater part was written 1000 yrs later.

Keny AT+OT+IS, also a physician, wrote anatomical works

Chapter 2

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The earliest Cal of Egyptians as all  
Ancient people were barbaric, going back  
into prehistoric times

4606C

They kept digging down in V R.  
they found clay - a layer 10 ft  
deep. This was the FLOOD  
there was Stone Age rubble below  
this

4000 BC  
c 3000 BC

(A)

## Epic of Gilgamesh

Written in Akkadian language of court and diplomacy in the time of King ASHURBANIPAL

Its form, however, dates from the time of Hammurabi, the Great King of Babylon. Greeks & Egyptians translated it into their own tongue and cuneiform tablets discovered by the Nile still show clearly the marks in red ink opposite those parts which the Egyptian scribes

found difficult in translating  
the wild over its original composition to the  
Germans, the people whose capital stood  
on the north of U.R.

Silgomeri decided to ensure his immortality &  
went on a long journey to find his ancestor UTA PISHIM  
from whom he hoped to learn the secret of creating  
~~both~~ life. Silgomeri reached the island where the  
lived and asked him. UTA PISHIM related that  
he had once lived in SUEVEPPA and had been a true  
martyr of the god EA, when the gods decided to  
destroy mankind. In a P-1000, EA named his devotee  
UTA PISHIM and brought the command: "O man  
of SUEVEPPA, only UBAR-UTU, your dream (see B)

4000 BC  
c 3000 BC

(B)

## EPIC of GILGAMESH (Cont'd from A)

they house, build a ship; abandon wealth,  
seek after life; scorn possessions, save thy  
life. Bring up the seed of all kinds of living  
things into the ship: the ship which thou  
shalt build. Let its dimensions be well  
measured. U TNAPISHTIM says: On the 5th  
day I decided upon its plan. The floor was 200 ft sq;  
the walls were 200 ft hi. I gave it six stories  
and divided the breadth seven times. The

written, dated with 9. Six days of labor  
(5 AM)

I poured into the bin.

the UTARISH-TIN had finished building the

ship, he arranged a sumptuous ~~there~~ banquet. He  
provided venison and mutton for those who helped  
with the work of building and disappeared "sides, legs,  
oil, and more to the people as if it were swimming  
water. These contents:

As that I had, I loaded, of the need of all  
living things. I brought within the ship  
my wife's family, & her folk. The cattle of the  
field, the heads of the fowl, all captured (see c?)

## Epic of GILGAMESH

I went into my ship and closed my door.  
As soon as a gleam of dawn shone in the sky,  
came a black cloud from the foundation of  
heaven. Inside it ABAO thundered, ABAO's  
rage reached to the heavens: Turning all light  
to darkness. The gods of Mesopotamia are  
terrified by the Flood and flee to the upper  
reaches of heaven where the god ANU has his  
abode. Before they enter "they crouch down

& cover like deep: "they are covered and shattered by  
what is happening and terribly and in utter despair  
wedge their implacable, six deep and naked, jagged  
to wind, the land, the cyclone devastated the land  
when the 7th day came, the cyclone, the flood, the  
little waves, which had lashed like an  
onion. The sea became calm, the cyclone  
died away, the flood ceased. And all men -  
had had turned to clay, the ground was  
flat like a roof -

(see D)

## EPIC of GILGAMESH

UTAPISTIM tells a horrified Gilgamesh what happened when the disaster was over:  
I opened the window and the light  
fell on my face. The ship lay upon  
mt. NISIR. Mount NISIR held the ship  
and allowed it not to move.

(Old Babylonian cuneiform texts describe where  
mt. Nisir is to be found. It lies between the  
TIGRIS and lower reaches of the river EUPHRATES where

the rock and jagged mountains: many of  
Kenderton are sharply from the flat country  
bordering in the TIGRIS.

(A hotel near from the Persian Gulf must  
have served a ship from the west  
to the Kurdistan mountains.)

4000 BC

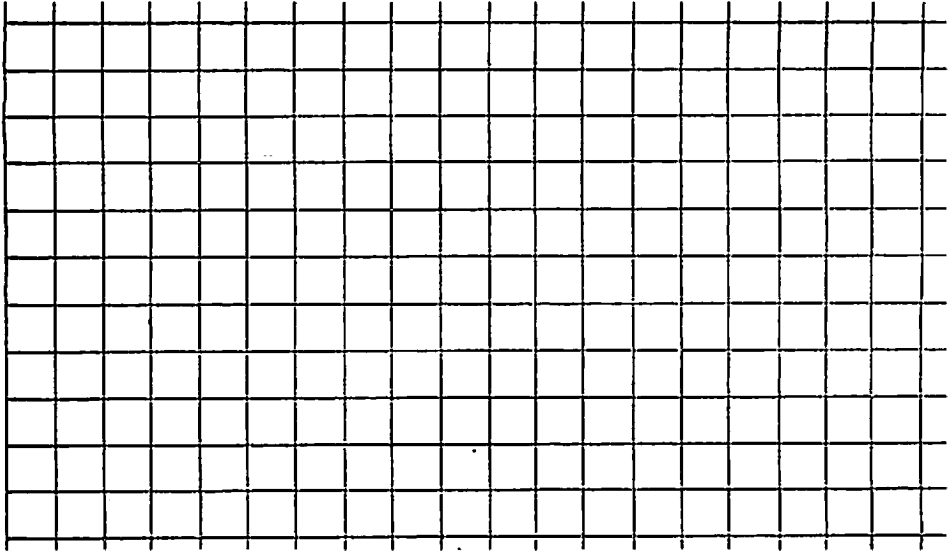
Settlers from Anatolia (6000 BC)  
reached the British Isles.

6000 yrs ago  $\Rightarrow$  5000 yrs ago 4000 BC

Corn has been found in storage pits  
lined with Nashitrock in the F&PVs  
and in passages below the Pyramids

4000 - 3501 BC

Sumerian city of UR is  
founded in Mesopotamia



4000 BC WILDOR

BADARIAN Culture (Egypt)  
appears

C 3978 B C

1912 Dates J-BK

Egypt

Sneferu, 1<sup>st</sup> king of 4<sup>th</sup> dynasty  
built a temple and pyramid  
at MEDUM, forty miles south  
of Cairo

1912 Dates J-BN

39 98 → 37218C

39 yr  
Fourth Dynasty ascending to  
Rathir

3969-3784 BC

1912 Dates J-BK

The three great pyramids were  
Constructed from 3969 to 3784 BC

Kufu (or Cheops)

Schofon (or Khafra)

Menkaure w Mycerinus)

They are accurately oriented  
North-South

Mar. 18, 3952 BC

Duncan: Cal

The Monk

Bede studied passages in the Bible and somehow came up with a specific day that he believed God began forming the sky, earth, and water:

Mar. 18, 3952 BC

3950 BC  $\rightarrow$  2750 BC  
~~C3000 BC~~  $\rightarrow$  C1000 BC

Stonehenge was constructed,  
deconstructed, and reconstructed  
over a period of some 2000 years.  
First came the ditch and bank structure  
containing the 56 AUBREY Holes & the  
sarsen gallery (what archaeologists  
call Stonehenge II). There were 4 stages.  
Stonehenge was erected by several

extended families, each consisting of approx.  
50 to 100 people

3946 BC

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One Christian's date for the  
creation.

C 3900 BC

Duncan: Cal

Early Solar Cal. (Egypt)

1912 Dates- J-BK

C3900 AC

Egypt

KHUFU (or KHEOPS) 2nd king of  
4th Dynasty, built the pyramid  
at Gizeh.

Alabaster quarry was opened  
near TEL-EL-ANTARNA

C 4000 BC

The Egyptians were probably the first people to adopt a predominantly solar Cal. They noted that Sirius, reappeared in the eastern sky just before sunrise, after several months of invisibility. They also noted that the annual flood of the Nile R came soon after Sirius reappeared. They used this event to fix their Cal., and came to recognize a year of 365 days, made up of 12 mo.

30 days long and an extra dividend of five  
days added on at the end, but they  
did not allow for the extra fourth of a  
day, and their cat. merely drifted in  
and

4000 BC

In Egypt the calendar which had been used since 8000 BC was changed by adding 5 more days, making the year 365 days long. There was no intercalation constituted a scale of unvarying length.

It the Greek astronomers and was still used by COPERNICUS

in the 16th century AD.

c 4000 BC

In Mesopotamia, the upper  
region was AKKAD; (Semites)

The lower, was known as SUMER  
(Caucasians)

Each city had its own king

4000 BC

Peoples engaged in Agriculture  
were already settled in Delta  
Egypt & in Upper Egypt (to the  
1st Cataract).

There was a considerable Semitic  
mixture in the Delta Region

4000BC

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Before 4000BC, the predynastic peoples of Upper Egypt had already developed a strong belief in burying their surplus wealth with them, in strong contrast to their neighbors in the Delta whose graves contain scarcely any material.

4078BC

Sumnerions are in Babylonia  
Cuneiform writing in use.

4000BC

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On the tiny island of Malta  
massive megaliths are the oldest  
freestanding stone monuments.

It is smallest of European Nations  
3 small islands add up to 123 ~~sq~~  
square miles (375,000 inhabitants)

Elaborate complexes surrounded  
by massive external rock wall.  
Some boulders weigh up to 20 tons

More than 30 shrikes have been found  
on mts. 8 6020

They used 640816 EARRA luminous that  
is easily mixed as it comes from the  
oil. It turns hard and white after

exposure to the sun

90-Tm shoe was preserved; hauled with  
leather rope over rollers making two turns

c 4000 BC

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5 extra days were added to  
the Egyptian Cal of 12 mos of  
30 days each that had  
been in use since 8000 BC(?)

4000 BC to 2000 BC

The Sahara was rich grassland.

Photo BC

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Perhaps the perennid TEOSINTA  
was hybrid with a perennid  
pod - popcorn.

4000 BC  
6,000 yrs ago

Earliest evidence of humans  
in America.

4000BC

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Irrigation system in Sumeria was built before 4000 B.C., one of the greater achievements of Sumerian civilization.

4070B C

Egypt

By this date copper tools and  
hieroglyphic writing were in use.

40703C

Copper &百草枯 are in  
use Egypt

4000BC

A general rise in ocean levels  
finally ~~settled~~ separated Great Britain  
from the continent

c4000 BC

CELT

Establishment of the first large  
stone graves in the lands on the  
Atlantic seaboard.

4050 BC

Woolly sheep

C4000 - 4500 BC

MEG1000 ancient fortified city  
overlooking plain of Esdraelon,  
has been inhabited from about 4000 BC  
to 4500 BC

4000 BC

Evidence points to the domestication of the horse in central Asia at least by 4000 BC

4077BC

Wine (grape)

C 4000 BC

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Horses were domesticated.

6000 y A = 4000 B C

In China a system of writing  
can be traced back for more  
than 6,000 yrs.

4000 BC

Early Americans

Egyptian Cal.

5 supplementary days were added  
to bring total to 365 days

this was a vague year.

This was used by Greek Astronomers  
and by COPERNICUS in 16th Cen. A.D.

Cal. was divided into 3 seasons

of 4 mos. ea.

4000 BC

Sites of future royal cities  
of ENDU, URUK, NIPPUR, and  
GIRSU already occupied.

C4000 BC

richly decorated pottery dates  
from C4000 BC has been found  
in ANATOLIA @ HACILAR and  
in ASSYRIA at ARPACHIYAH

C4000BC

The site of Babylon was settled  
by Sumerians by C4000BC

c 4000 BC

The Nile cultures were based  
on farming villages c 4000 BC

c 4000 BC

The Sumerians developed pictographic  
script by 4000 BC

c 4000 B.C.

Egyptian civilization.  
Early agricultural community  
with knowledge of writing,  
government, art and science  
arose in the Nile River  
valley.

6000 yrs ago = 4000 BC

Semitic-tongued Sumerians broke out from their region of origin around 6000 yrs ago (4000 BC), and climatic descriptions due to a sharp worldwide cooling 5800 yrs ago (3800 BC) may have accelerated their migrations.

6000 yrs ago = 4000 BC

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Someone, clowning perhaps, hitched a hve to an ox and invented the plow; thus, animal energy augmented human muscle power. The plow was shared by the Sumerians, inhabitants of southern Mesopotamia who made distinctive ceramics using the potter's wheel and who began developing the first highly urbanized culture 6000 yrs ago (4000 BC). The breeding of mutant woolly sheep ad a new source

of textiles completed the regional manufacture of  
a lie-shik robe. These innovations  
had been gathered together by 6000 years ago  
(4000 BC) in a new northern metropolitan.  
With the new acquisition of corn and plow  
some social change. First, herding  
and plowing now took women, while  
the women now set to spinning and  
weaving water cloth. Not until last time,  
people in general found that labor-saving  
innovation most harder work.

c 4000 BC

city of BYBLOS founded.

4000 BC

Wheel-thrown pottery - Mesopotamia

4000 BC

Early Bronze Age

4000 BC

Silkworm domesticated.

4000 B C

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Tell Halaf and al'Ubaid Cultures  
were settling Mesopotamia.

4000 BC  
6,000 years ago

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Post glacial rise in sea  
level ends

4778BC

In northwestern Asia, the Early Bronze Age commonly began.

4000 BC

Animal muscle for energy  
northern Mesopotamia

c4000 B.C.

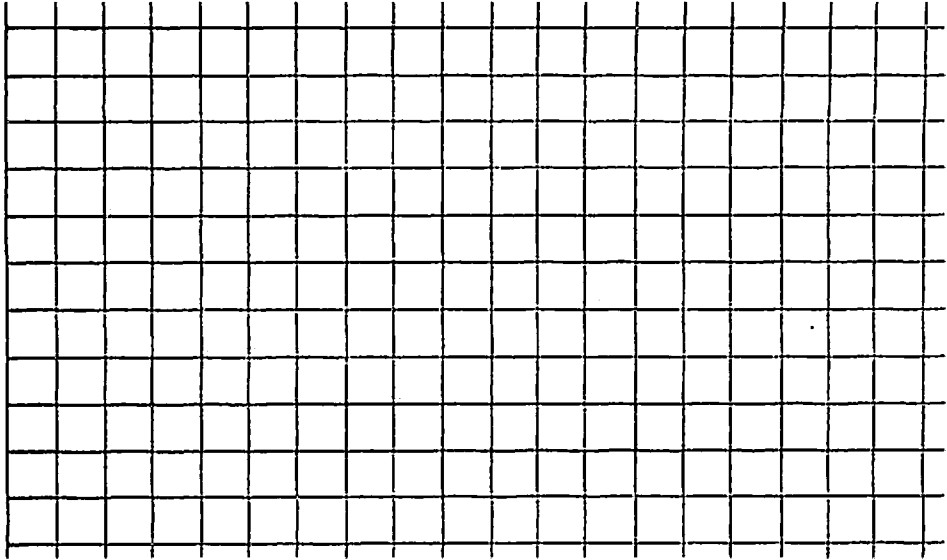
Mesopotamia

"Cradle of Civilization"

where supposedly arose the first  
agricultural communities.

4000 - 3500

According to MARIYA GIMBUTAS,  
horsesman from the KURGAN culture  
of southern Russia migrate  
to east central Europe bringing  
the Indo-European language  
and male gods displacing the  
"Old Europeans"



4000 BC

YANG-SHAO rice farming  
culture in China

Lower Palaeolithic Age lasted 75,000 yrs.

the Upper Palaeolithic 15,000 yrs.

the Neolithic lasted (In Europe) 6000

while the Bronze Age, in some cases

endured only about 1000 yrs before

it was succeeded by the Age of Iron.

